```
C:\Users\user12\Desktop\JAVA>javac Program_1.java

C:\Users\user12\Desktop\JAVA>java Program_1 15 7
Sum:22
Difference:8
Product:105
Qoutient2
Remainder:1
```

PROGRAM 1

```
C:\Users\user12\Desktop\JAVA>javac Program_2.java

C:\Users\user12\Desktop\JAVA>java Program_2
Enter the limit:
4
Fibonacci series upto 4
0
1
1
2
3
```

PROGRAM 2

```
C:\Users\user12\Desktop\JAVA>java Program_3
Enter the lower limit
10
Enter the upper limit
1000
Armstrong number within range are :
153
370
371
407
```

PROGRAM 3

```
C:\Users\user12\Desktop\JAVA>javac Program_4.java

C:\Users\user12\Desktop\JAVA>java Program_4
First side
3
Second side
4
Third side
5
Triangle is scelene
Area: 6.0
```

PROGRAM 4.1

```
C:\Users\user12\Desktop\JAVA>java Program_4
First side
3
Second side
3
Third side
3
Triangle is eqaulator
Area: 3.897114317029974
```

PROGRAM 4.2

```
First side
3
Second side
3
Third side
4
Triangle is isoceles
Area: 4.47213595499958
```

PROGRAM 4.3

```
C:\Users\user12\Desktop\JAVA>javac Program_5.java

C:\Users\user12\Desktop\JAVA>java Program_5
Enter the size of the array
4
Enter the elements
4
2
1
3
Largest element : 4
Second largest element : 3
Smallest element : 1
```

PROGRAM 5

```
C:\Users\user12\Desktop\JAVA>java Program_6
Enter the integer
12
Binary of 12 is:1100
Octal of 12 is:14
Hexadecimal of 12 is:c
```

PROGRAM 6

```
C:\Users\user12\Desktop\JAVA>java Program_8
Enter two number
12
24
HCF=12
LCM=24
```

PROGRAM 8

```
C:\Users\user12\Desktop\JAVA>javac Program_7.java

C:\Users\user12\Desktop\JAVA>java Program_7
Enter the size of first array
3
Enter the elements
3
2
1
Enter the size of second array
4
Enter the elements
1
2
3
4
Merged array
3
2
1
1
2
3
4
```

PROGRAM 7

```
C:\Users\user12\Desktop\JAVA>java Program_10
Enter the number
123
Sum = 6
Rev = 321
```

PROGRAM 10

```
C:\Users\user12\Desktop\JAVA>java matrixMain
Transpose
Enter the rows and columns
2
2
Enter the elements
1
2
3
4
Matrix
1       2
3       4
Transpoe of the matrix
1       3
2       4
Trace
Enter the size of a square matrix
3
Enter the elements
1
2
3
4
5
6
7
8
9
Matrix
1       2       3
4       5       6
7       8       9
Trace = 15
```

PROGRAM 9

```
Enter first string
was
Enter second string
saw
was and saw are Anagram
```

PROGRAM 11

```
Enter the string
aeiuobcd
bcd
```

PROGRAM 12

```
Enter the name
Gouse
Enter the id
09
Enter the course
BCA
Enter the five mark of student
100
99
89
98
97
Id      Name    Course  Total   Grade
9       Gouse   BCA     483     A
```

PROGRAM 13

```
Enter the real part of the first complex number
3
Enter the imaginary part of the first complex number
2
Enter the real part of the second complex number
5
Enter the imaginary part of the first complex number
2
sum = 8 + i4
```

PROGRAM 14

```
C:\Users\user12\3D Objects\Mohd Gouse\JAVA>javac Count.java

C:\Users\user12\3D Objects\Mohd Gouse\JAVA>java Count
Total number of object = 4
```

PROGRAM 15

```
The volume of cube
Enter the sides of cube
3
The volume of cube is 27.0
The volume of rectangular box
Enter length,breadth and height of  rectangular box
3
4
5
The volume of rectangular box is 60.0
The volume of cylinder
Enter radius and height of cylinder
2
4
The volume of cylinder is 50.24
```

PROGRAM 16

```
Enter radius of sphere
5
The volume of sphere is523.3333333333334
Enter radius and height of cylinder
4
3
The volume of cylinder is150.72
```

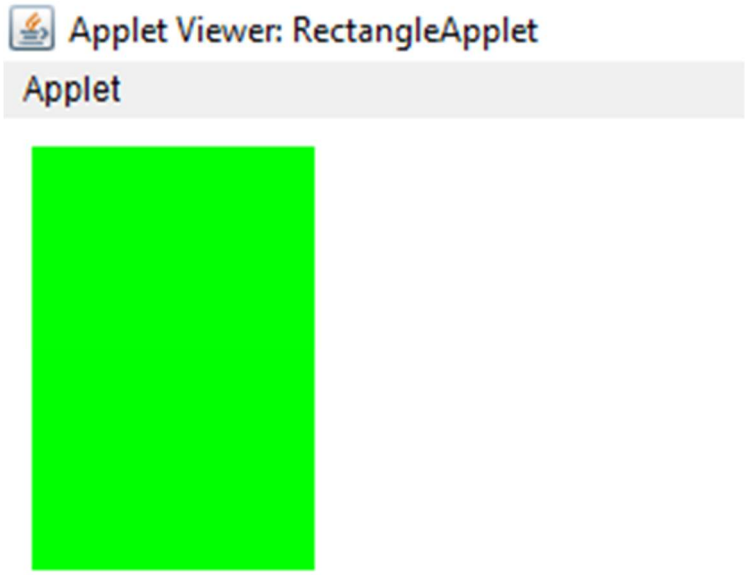
PROGRAM 17

```
Enter the limit
10
oddthread:1
oddthread:3
oddthread:5
oddthread:7
oddthread:9
eventhread:2
eventhread:4
eventhread:6
eventhread:8
eventhread:10
```

PROGRAM 18

```
Enter the amount to withdraw
500
Current Balance 4500
```

PROGRAM 19



PROGRAM 20